



## RV-PSU-ALM16

### INSTALLATION SHEET

Refer also to RV-PSU INSTALLATION SHEET

This power supply complete with 16 alarm inputs is compatible with Redvision's RV DOME series cameras with built in Infra Red Night vision.

#### Safety

Isolate mains whilst working on any part of this PSU.  
Metal cover (a) should not be removed. This protects high voltage components.

#### Fitting Alarm module to RV-PSU

If you are upgrading a standard RV-PSU to an Alarm version you will need to fit the Alarm module:

- 1 Isolate power from PSU.
- 2 Slide Option Switch on PSU to YES (Option PCB fitted).
- 3 Carefully align alarm PCB with 20 way header connector.
- 4 Secure Alarm PCB with 4 off M3 fixings provided.

#### Switch Settings

The RV-PSU-ALM16 requires configuration to match the dome protocol, set alarm inputs to normally open or normally closed and RS 485 termination. A single 8 way dip switch is provided with settings as follows:

	PROTOCOL				BAUD RATE			ALARM INPUTS		RS 485 TERMINATION	
SW	1	2	3	4	5	6	7	8			
BBV Coax	0	0	0	0	2400	1	0	Normally Open	1	ON 1	
Pelco P	0	1	0	0	4800	0	1	Normally Closed	0	OFF 0	
Pelco D	1	1	0	0	9600	0	0				
					19200	1	1				

PROTOCOL settings must be matched with dome head protocol. ALARM INPUTS set to normally open or normally closed. BAUD RATE must be matched with dome head baud rate. RS 485 TERMINATION set on or off.

#### Default Settings:

PROTOCOL BBV Coax BAUD RATE 9600 ALARM INPUTS Normally Open RS 485 TERMINATION ON

#### Connections to Alarm Board 1-16

Volt free contacts which can be configured for either normally open or normally closed operation (see SWITCH SETTINGS)

#### Alarm Inputs 1-16

For normally closed alarms it is necessary to connect link wires to ground for all unused inputs.

#### Alarm Grounds 1-16

All alarm input grounds are common (connected together) and can be used for relay common outputs of PIR's or other alarm sources.

#### Alarm Relay Output

- NO Connect to 3rd party control alarm input if normally open signal required.
- COM Connect to 3rd party alarm input ground.
- NC Connect to 3rd party control alarm input if normally closed signal required.

